

REPORT ON BOILERS.

Ref. 14953

No. 74196

7 JUL 1949

4 JUL 1949

Received at London Office

Writing Report

19

When handed in at Local Office

19

Port of

Glasgow.

in Survey held at

Annan.

Date, First Survey 17-3-49

Last Survey 23-6-

1949

Book

(Number of Visits 15)

Gross

on the

RUNIC.

Tons

Net

No.

1414

Built at

Belfast

By whom built

Harland & Wolff Ltd.

When built

made at

Annan

By whom made

Cochran & Co, Annan Boiler No. 18239

When made 1949

Ltd.

Port belonging to

TICAL DONKEY BOILER—

No. One

Description Cochran

Manufacturers of steel Colvilles Ltd.

at Annan

By whom made

Cochran & Co, Annan Ltd

When made 1949

Where fixed Barber room

Working pressure 125 lb/s

by hydraulic pressure to 238 lb/sq.in.

Date of test 23.6.49

No. of Certificate 22919

Fire grate area 0.5

Description of safety valves Double spring

safety valves 2

Area of each 4.9 sq.in.

Pressure to which they are adjusted 125 lb

If fitted with easing gear Yes If steam from main boilers can

the donkey boiler No

Diameter of donkey boiler 6'-6"

Length 15'-9"

Material of shell plates steel Thickness 21/32" & 17/32"

of tensile strength 28/32 tons

Description of riveting long. seams D.R. Lap

Diameter of rivet holes 29/32"

Whether punched or

drilled

Pitch of rivets 2.86", 2.82", 2.79"

Lap of plating 4.1/2"

Percentage of strength of joint Working pressure of shell by

126 lb/sq

Thickness of shell crown plates 15/32"

Radius of do. 3'-3"

No. of stays to do. none

Diameter of stays - Diameter of

in.

& 15/16"

Top - Bottom 5'-6"

Length of furnace -

Thickness of furnace side plates 17/32"

Description of joint seamless

Working pressure of furnace by rules 133 lb/sq

Thickness of Ogee ring 15/16"

Working pressure of Ogee ring by rules 126 lb/sq

plates 17/32"

Radius of do. 2'-9"

Stayed by hemisphere

Diameter of uptake 16" x 20"

Thickness of uptake

9/16"

Thickness of tube plates

Mean pitch of stay tubes in nest 10.69"

Pitch in outer vertical rows 8.88"

stay 2.11/16"

stay 2.1/2"

Working pressure of tube plates by rules F 152 lb/sq.in.

eter of tube holes FRONT

plain 2.9/16"

BACK plain 2.1/2"

Tubes: Material steel

stay 2.1/2"

stay 11/32"

plain 101SG

No. of threads per inch 9

Pitch of Tubes 4.44 x 3.5625

ing pressure by rules 175 lb/sq.ins.

Manhole compensation; Size of opening in shell plate 21" x 17"

Section of compensating

7.1/2" x 1"

No of rivets and diameter of rivet holes 40 @ 29/32"

Outer raw pitch at ends 4.1"

The foregoing is a correct description,

Tax.

Manufacturer.

FOR COCHRAN & CO, ANNAN, LTD.

During progress of work in shops

1949 MAR. 17-24-31 APR. 7-14-21-28 MAY. 5-12-19-26-31 JUN. 9-16-23

Drawing No. 34047A.

During erection on board vessel

Total No. of Visits

Is the approved plan of boiler forwarded herewith No.

Retained for duplicate cases.

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

This boiler has been despatched to Belfast for installation.

This boiler has been constructed under Special Survey and in accordance with the approved plan.

The materials and workmanship are good.

Belfast 17-3-50 -

This boiler has now been satisfactorily installed on board the vessel, tested under full working conditions and the safety valves adjusted under steam to 125 lb/sq.in.

N. Russell

Survey Fee ... £ 10 : 0 : 0

Travelling Expenses (if any) £ : :

MONTHLY ACCOUNT

When applied for 19

When received 19

Committee's Minute

GLASGOW - 6 JUL 1949

Referenced for Completion

FRI. 5 MAY 1950

See F.E. Mutchy's

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

003409-003416-0322